



SR-Q® RGB LIGHTS

OWNER'S MANUAL



KIT INCLUDES

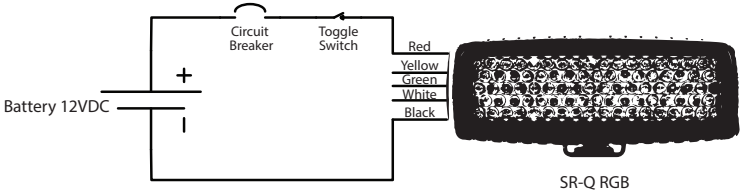
- Stainless Steel
Mounting Hardware
- Necessary Wiring
- 3 Position Switch

IMPORTANT

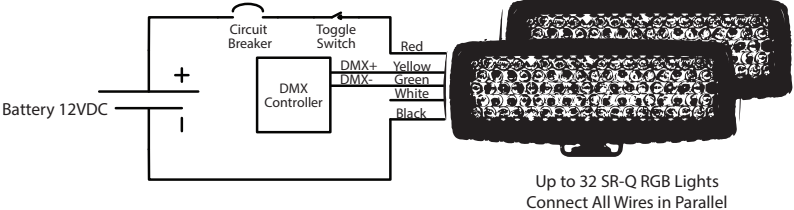
It is strongly recommended that this product
be installed by a professional.

WIRING DIAGRAMS

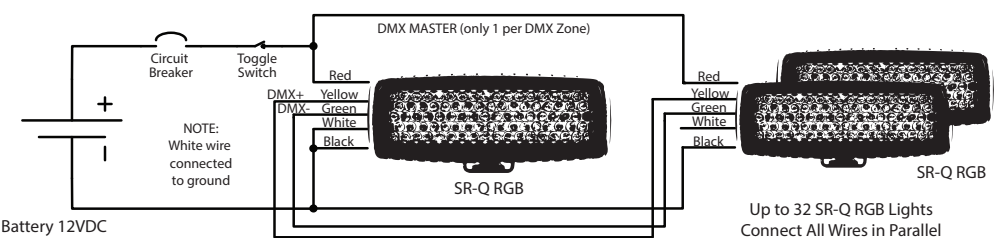
BASIC CONNECTIONS No DMX, Single Unit



MULTI-UNIT CONNECTIONS External DMX Controller



MULTI-UNIT CONNECTIONS No External DMX Controller SR-Q RGB in Master-Slave Configuration



Congratulations on the purchase of your new Rigid Industries SR-Q RGB that utilizes Red-Green-Blue-White (RGBW) LEDs. This LED light is like no other user controlled LED light, since it features total control of what color light is emitted from the unit with the simple toggle of the power switch. The SR-Q RGB supports either DMX slave or master universe connection for complete remote control of the color emitted from the RGBW LEDs.

The SR-Q RGB features a 5 conductor, 16 and 20 gauges, stranded wire that is 15 feet in length. The following chart defines the wire colors and their connections to the SR-Q RGB.

WIRE COLOR	FUNCTION
Red	12-28VDC input positive lead (16 gauge)
Black	12-28VDC negative lead (ground, 16 gauge)
Yellow	DMX+
Green	DMX-
White	DMX Master Selection

Note: If Rigid Industries DMX LED Effects controller is not used, be sure to cut and tape off wire ends of the yellow, green and white wires to keep them from electrically connecting to each other or any other surface.

Controlling Output Color

The Rigid Industries SR-Q RGB utilizes our Patent Pending Power Toggling Mode® (PTM®) control that allows for selecting from eight pre-programmed color output conditions. The basic operation of the SR-Q RGB is to simply turn the power switch on and off within a 5 second time period to increment through the modes. The following table illustrates the pre-programmed modes:

MODE	DESCRIPTION
Slow Color Changing	Slow Red, Green and Blue colors ramping up and down to a generated selection of the colors on the rainbow
User Programmed Color	Outputs the user “saved” color (see Saving Your Favor Color.) The factory saved color is magenta
Fast Color Changing	Faster Red, Green and Blue colors ramping up and down to generate a selection of the colors on the rainbow
All colors (Red Green Blue White)	All of the colored LEDs (Red, Green, Blue, White) are on at the same time. This generates a bright white
Red	All red LEDs on at the same time
Green	All green LEDs on at the same time
Blue	All blue LEDs on at the same time
White	All pure white LEDs on at the same time

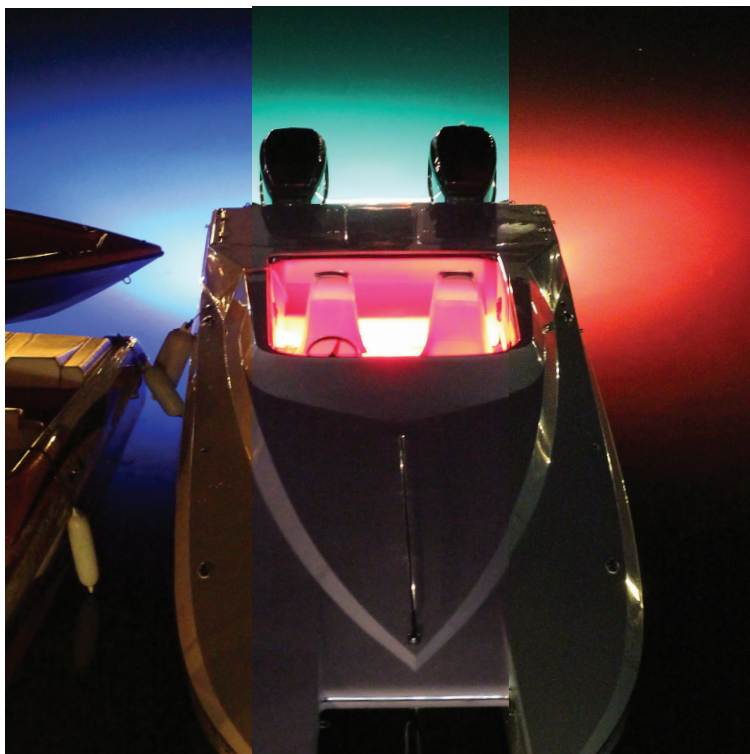
Note that after the White mode, the SR-Q RGB will cycle back to the Slow Color Changing mode and allow you to step again through the different LED output colors.

A few rules are important in understanding how your SR-Q RGB can best be controlled:

1. The modes are incremented as long as power is toggled OFF before 5 seconds have elapsed after powering the unit ON. Simply turn the unit ON, count to 2, and then power OFF to jump to the next mode.
2. Hold the power OFF for at least 2 seconds before toggling power ON again to be assured the unit detects the power OFF condition.
3. Holding power ON for more than 5 seconds will reset the mode rotation and cause the unit to start at the top of the mode list. This allows you to resume at the Fast Color Changing mode when you turn ON the unit after extended use.

Remember: You must switch the power OFF to the SR-Q RGB before 5 seconds has elapsed to jump to the next mode. You should keep the power off for at least 2 seconds as well to guarantee that the next mode will be selected.

Remember: If you are ever in doubt about where you are in the color modes, simply hold the power ON for more than 5 seconds, and you will automatically resume with the Slow Color Changing mode the next time you power cycle the unit.



Saving Your Favorite Color

A great feature of the SR-Q RGB is saving your favorite color. Storing the color is easy, simply put the DMX controller into the **Slow Color Changing** or **Fast Color Changing** mode, and wait for the second color cycle to start. Note that the color cycle starts with Red, meaning that once Red is seen on the **second** cycle, simply remove power by toggling the power OFF, and the color is now stored. The next time the unit powers ON, your stored favorite color will be showing.

You do not need to store or reselect your favorite color every time you use the SR-Q RGB. Your color remains stored until the next time you store a color, meaning that if you do not power cycle (Off then ON) during the second color cycle, your previously saved color will remain intact.

A few rules are important in understanding how your SR-Q RGB stores your favorite color:

1. Only the Fast and Slow Color Changing modes allow for selecting and saving your favorite color.
2. Your favorite color can only be stored during the second color cycle, and before the start of the third color cycle. A color cycle starts with Red and ends when the next cycle Red is seen again. This allows you to wait until the second cycle to “find” your color.
3. If you miss your color, simply power OFF the unit (After the unit remains ON for at least 5 seconds) and then the slow color changing mode will be selected. Wait for the second cycle, and simply toggle power OFF to save the color.
4. You can save colors more than 1 million times throughout the life of the SR-Q RGB, so please play with this feature!

Remember: *Color changing modes allow for color saving to your favorite color setting only on the second color varying cycle only. The first cycle starts when the unit is first powered on, and the second starts when Red cycles again. Color cycles start on Red and end on the next Red LED output. At the end of the second cycle, color saving mode ends and you must power off the unit to start over again.*

Remember: *Simply power OFF the unit during the second color changing cycle to save your favorite color. The next time you turn the unit on, your color will be displayed.*

DMX Connection (Master or Slave)

DMX or DMX512 is a networked communication feature that connects high speed data communications to your SR-Q RGB. The SR-Q RGB supports both DMX slave and DMX mastering, which means that you can use Rigid Industries DMX LED Effects controller to generate color change commands, or allow a single SR-Q RGB to be the DMX master to all other SR-Q RGB units connected to the same DMX+ and DMX- wires.

DMX Master Selection

If you do not plan to use a commercially available DMX controller, you can allow one SR-Q RGB as the DMX master, and all other SR-Q RGB units will follow in sync what the DMX master commands. The master will also follow the same Power Toggling Mode® (PTM®) operation that was detailed earlier in this user manual. This means that all SR-Q RGB units connected to the same DMX connections will operate in sync.

Choose a single master unit, and ground the WHITE wire (connect white and black together). This 1 unit will now be the DMX master and generate DMX signals to all of the other units connected to the same DMX wires. Be sure that no other SR-Q RGB unit has the white wire connected to ground on the same DMX wire connections. ***This is important because if 2 SR-Q RGB units are connected as masters, unknown color results will occur!***

DMX Slave from a Remote Panel

If you want to use DMX controlled from a remote panel, it is as simple as purchasing a marine grade Rigid Industries DMX LED Effects controller and wiring that to the SR-Q RGB with 2 wires. In addition, the SR-Q RGB supports generating DMX from a single unit, which would transmit to all other DMX slaves for a coordinated DMX lighting system. In this instance, do not connect the white wire to the black wire.

Be sure to follow the Rigid Industries DMX LED Effects controller installation instructions. The connections between the DMX control and the SR-Q RGB is a polarity sensitive two-wire connection, meaning that you need to be certain that the DMX+ and DMX- are connected correctly. ***Failure to do so will yield unknown color control on your SR-Q RGB unit!*** The SR-Q RGB is unique in that it automatically senses if there is a DMX signal present on the DMX+ and DMX- wires. If there is no signal present, the Power Toggling Mode® will automatically be engaged and the unit will run colors without any outside interaction other than the power switch toggling.

Note that the SR-Q RGB uses channels 1-4 to control the RGBW colors as follows:

DMX Channel (or slot)	LED Color
1	Red
2	Green
3	Blue
4	White



**Your wiring is now complete.
Welcome to the Rigid Nation!**



**COMPATIBLE WITH THE
DMX LED EFFECTS™ CONTROLLER**



PART # 40040

WARRANTY INFORMATION

Rigid Industries warrants that this product will be free from defects in material and workmanship. If you believe your Rigid Industries product is defective, it must be returned to Rigid Industries for inspection by our warranty claims department. If, after inspection, Rigid Industries verifies that the defect was not caused by negligence, abuse, unauthorized repair or disassembly, Rigid Industries will determine whether the product will be repaired or replaced in accordance with Rigid Industries Limited Lifetime Warranty*.

Warranty Periods:

- All LED Lights – Limited Lifetime
- Flashlights – 1 year
- Accessories and Mounts – 2 years
- Batteries – 90 days

Warranty Coverage:

To begin your warranty claim, you must have a Return Merchandise Authorization (RMA) number. To get your RMA number, please contact our warranty department by phone at 480-655-0100 ext. 1008, or by filling out the Return Merchandise Authorization Form on our website.

All of the following will immediately void all warranties:

- Customer negligence – The customer has modified the light and/or is not using it for the recommend application.
- Customer abuse – Damage to the light beyond normal wear and tear.
- Repair work done by unauthorized personnel without Rigid Industries' approval.
- If the light has been opened or any screws have been removed.

All warranties are non-transferable. Warranty terms and policies are subject to change without notice.

*For all information regarding the Rigid Industries' Limited Lifetime Warranty please call 855-760-5337 ext. 1008, email warranty@RigidIndustries.com, or visit our warranty page online at RigidIndustries.com/Warranty.

PLEASE CONTACT US FOR TECHNICAL AND SALES SUPPORT

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